

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
1 April 2004 (01.04.2004)

PCT

(10) International Publication Number
WO 2004/027036 A2

- (51) International Patent Classification⁷: C12N (74) Agents: LARCHER, Carol et al.; Leydig, Voigt & Mayer, LTD., Two Prudential Plaza, Suite 4900, 180 N Stetson Av, Chicago, IL 60601-6780 (US).
- (21) International Application Number: PCT/US2003/029684
- (22) International Filing Date: 19 September 2003 (19.09.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 60/411,990 19 September 2002 (19.09.2002) US
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- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— without international search report and to be republished upon receipt of that report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: CANCER IMMUNOTHERAPY WITH A VIRAL ANTIGEN-DEFINED, IMMUNOMODULATOR-SECRETING CELL VACCINE

(57) Abstract: A human cell line, which lacks major histocompatibility class I (MHC-I) antigens and major histocompatibility class II (MHC-II) antigens and which has been modified to comprise and express (i) a nucleotide sequence encoding an immunomodulator and (ii) a nucleotide sequence encoding a viral antigen, and a method of inducing or stimulating an immune response in a human to a viral-associated disease or cancer comprising administering to the human (i) the aforementioned human cell line in an amount sufficient to induce or stimulate an immune response to the viral-associated disease or cancer, (ii) a human cell line, which lacks MHC-I and MHC-II antigens and which has been modified to comprise and express a nucleotide sequence encoding an antigen of EBV, simultaneously or sequentially in either order, by the same or different routes, in amounts sufficient to induce or stimulate an immune response to the viral-associated disease or cancer, or (iii) an immunomodulator and a human cell line, which lacks MHC-I and MHC-II antigens and which has been modified to comprise and express a nucleotide sequence encoding an antigen of EBV, simultaneously or sequentially in either order, by the same or different routes, in amounts sufficient to induce or stimulate an immune response to the viral-associated disease or cancer.

WO 2004/027036 A2